

NEB-210-US.ST25.txt
SEQUENCE LISTING

<110> Kong, Huimin
Vincent, Myriam
Xu, Yan

<120> Helicase Dependent Amplification of Nucleic Acids

<130> NEB-210-US

<150> US 60/412,298
<151> 2002-09-20

<150> US 60/446,662
<151> 2003-02-11

<160> 26

<170> PatentIn version 3.2

<210> 1
<211> 30
<212> DNA
<213> Unknown

<220>
<223> Primer 5A

<400> 1
ggtaggtacca tggacgtttc ttacctgctc 30

<210> 2
<211> 35
<212> DNA
<213> unknown

<220>
<223> primer 3A

<400> 2
ggtaggtgctc ttccgcacac cgactccagc cgggc 35

<210> 3
<211> 30
<212> DNA
<213> unknown

<220>
<223> primer 5B

<400> 3
ggtaggtcata tgccaattca ggtcttaccg 30

<210> 4
<211> 40
<212> DNA
<213> unknown

<220>
<223> primer 3B

NEB-210-US.ST25.txt

<400> 4
ggtggttgct cttccgcact catctttcag ggcttttata 40

<210> 5
<211> 70
<212> DNA
<213> unknown

<220>
<223> top oligonucleotides

<400> 5
tggctgggtca ccagaggggtg gcgcggaccg agtgcgctcg gcggctgcgg agaggggtag 60
agcaggcagc 70

<210> 6
<211> 70
<212> DNA
<213> unknown

<220>
<223> bottom oligonucleotide

<400> 6
gctgctgct ctaccctct cgcagccgc cgagcgact cggtcgcgc caccctctgg 60
tgaccagcca 70

<210> 7
<211> 43
<212> DNA
<213> unknown

<220>
<223> 5' primer

<400> 7
catgttaggt tctatggatc gagtctggct ggtcaccaga ggg 43

<210> 8
<211> 45
<212> DNA
<213> unknown

<220>
<223> 3' primer

<400> 8
tcccttagag gtcacattgg atcgagtcgc tgctgctct acccc 45

<210> 9
<211> 2647
<212> DNA
<213> unknown

<220>

<223> plasmid pAH1

<400> 9

tcgcgcggttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacgggtca	60
cagcttgtct gtaagcggat gccgggagca gacaagcccg tcagggcgcg tcagcgggtg	120
ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc	180
accatatgcg gtgtgaaata ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc	240
attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat	300
tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt	360
tttccagtc acgacgttgt aaaacgacgg ccagtgaatt gcatgctcag cttggcgtaa	420
tcatggatcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata	480
cgagccggaa gcataaagtg taaagcctgg ggtgcctaata gagtgagcta actcacatta	540
attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgcgtgccca gctgcattaa	600
tgaatcggcc aacgcgcggg gagaggcgggt ttgcgtattg ggcgctcttc cgcttcctcg	660
ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag	720
gcggtaatac gggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa	780
ggccagcaaa aggccaggaa ccgtaaaaag gccgcgttgc tggcgttttt ccataggctc	840
cgccccctg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaacccgaca	900
ggactataaa gataccaggc gtttccccct ggaagctccc tcgtgcgctc tcctgttccg	960
accctgccgc ttaccggata cctgtccgcc tttctccctt cgggaagcgt ggcgctttct	1020
catagctcac gctgtaggta tctcagttcg gtgtaggctg ttcgctccaa gctgggctgt	1080
gtgcacgaac ccccggttca gcccgaccgc tgcgccttat ccggttaacta tcgtcttgag	1140
tccaacccgg taagacacga cttatcgcca ctggcagcag cactggtaa caggattagc	1200
agagcgaggt atgtaggcgg tgctacagag ttcttgaagt ggtggcctaa ctacggctac	1260
actagaagga cagtatttgg tatctgcgct ctgctgaagc cagttacctt cggaaaaaga	1320
gttggttagct cttgatccgg caaacaacc accgctggta gcgggtggtt tttgtttgc	1380
aagcagcaga ttacgcgcag aaaaaaagga tctcaagaag atcctttgat cttttctacg	1440
gggtctgacg ctcagtggaa cgaaaactca cgtaaggga ttttggatcat gagattatca	1500
aaaaggatct tcacctagat ctttttaaat taaaaatgaa gttttaaatc aatctaaagt	1560
atatatgagt aaacttggc tgacagttac caatgcttaa tcagtaggc acctatctca	1620
gcgatctgtc ttttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg	1680
atacgggagg gcttaccatc tggccccagt gctgcaatga taccgcgaga cccacgctca	1740
ccggctccag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtgg	1800

NEB-210-US.ST25.txt

cctgcaactt tatccgcctc catccagtct attaattggt gccgggaagc tagagtaagt	1860
agttcgccag ttaatagttt gcgcaacggt gttgccattg ctacaggcat cgtgggtgtca	1920
cgctcgtcgt ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca	1980
tgatcccca tgttgtgcaa aaaagcgggt agctccttcg gtctccgat cgttgtcaga	2040
agtaagttgg ccgcagtgtt atcactcatg gttatggcag cactgcataa ttctcttact	2100
gtcatgccat ccgtaagatg cttttctgtg actggtgagt actcaaccaa gtcattctga	2160
gaatagtgtg tgcggcgacc gagttgctct tgcgcggcgt caatacggga taataccgcg	2220
ccacatagca gaactttaaa agtgctcatc attggaaaac gttcttcggg gcgaaaactc	2280
tcaaggatct taccgctgtt gagatccagt tcgatgtaac ccactcgtgc acccaactga	2340
tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat	2400
gccgcaaaaa aggaataag ggcgacacgg aaatgttgaa tactcatact cttccttttt	2460
caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat atttgaatgt	2520
atttagaaaa ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac	2580
gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat cacgaggccc	2640
tttcgtc	2647

<210> 10
 <211> 993
 <212> DNA
 <213> unknown

<220>
 <223> earRI gene of *T. dentcola*

<400> 10	
atgagtaggc gtgaagtaaa aaatcaaaca aatatttcta gaattgaagg aattaaacca	60
aatgatgctt atgttgctta tgtatgtgta caatgtaaca atttgaatat gataaatatt	120
ggacaaaaat tattgatcc aagagaggct tatgaaacac aagaatggaa atgtgaaaga	180
tgtggatttt tacatagtaa aaataattca ttgtcttatt caaactggcc agaagaaagt	240
aaaaagaaag gttctattcc tgtacaaaga ttttggcaag ctttttttag agtatataca	300
gagaataaag aagcatattg gaaacaatgt aattgttgtg gaaaaatatt accattttcc	360
gcatttagca agcatattgg ttttggccct cttgaaagac aaatggaatg tagagcttgt	420
aagggagtga taaatgcatt tttaaattcca gaaagaacag aagatcaatt aagagagtca	480
aatgttagga gacgtgttgc cgatttgttt gttaaaaaag aaaataaatc taaagatgat	540
ggatttatta aagatttatt taaacgtttt ggttcaaagt gctttaaacc aaagaaatat	600
ctaaatattc atgatagaaa ttcttgggct atagatcata ttttaccatc aaaatatctt	660
tatcctctta caaaagaaaa tgctgcacta ttatctgtag aagctaattc caataaaaga	720

NEB-210-US.ST25.txt

gatcgttggc cttcagaatt ttatacaaat aatgaattaa tagaacttgc tacaataaca	780
ggagctgatt tacaattatt atcaaataaa acacctatta taaatccaaa tcttactgat	840
gaggatataa atgcaggtat tgagaattat ttgtctgttc gtgaaaattc aaaccttgag	900
aagcgagtag ctgaaataaa aaaaatcata atagactatc aattaacgga taaattatcg	960
aaaagcaaca agaatttact tggtttatct taa	993

<210> 11
 <211> 22
 <212> DNA
 <213> unknown

<220>
 <223> primer 58861

<400> 11	
ccaaatgatg cttatgttgc tt	22

<210> 12
 <211> 20
 <212> DNA
 <213> unknown

<220>
 <223> primer 58862

<400> 12	
cataagcctc tcttggatct	20

<210> 13
 <211> 22
 <212> DNA
 <213> unknown

<220>
 <223> primer 58863

<400> 13	
tccacatctt tcacatttcc at	22

<210> 14
 <211> 21
 <212> DNA
 <213> unknown

<220>
 <223> primer-dnmt5

<400> 14	
ggaagctgct aaggactagt t	21

<210> 15
 <211> 21
 <212> DNA

<213> unknown

<220>

<223> primer-dnmt3

<400> 15

ccatgtacca cacatgtgaa c

21

<210> 16

<211> 42

<212> DNA

<213> unknown

<220>

<223> primer-sfo

<400> 16

accgcatcga atgcatgtgg atctcaccac caactgctta gc

42

<210> 17

<211> 42

<212> DNA

<213> unknown

<220>

<223> primer-sre

<400> 17

cgattccgct ccagacttgg atctgatggc atggactgtg gt

42

<210> 18

<211> 29

<212> DNA

<213> unknown

<220>

<223> primer TUF

<400> 18

atacatatga ttggagtga aaagatgaa

29

<210> 19

<211> 37

<212> DNA

<213> unknown

<220>

<223> primer TUR

<400> 19

aaataagctc ttcagcaaga aattgcctta ataggag

37

<210> 20

<211> 29

<212> DNA

<213> unknown

<220>

<223> primer p5-76

<400> 20
ggccagtttg aataagacaa tgaattatt

29

<210> 21
<211> 31
<212> DNA
<213> unknown

<220>
<223> primer p3-76

<400> 21
attttgaaac acaagaatgg aaatgtgaaa g

31

<210> 22
<211> 95
<212> DNA
<213> unknown

<220>
<223> N. gonorrhoeae specif target sequence

<400> 22
catatgtaac agcaggtcag gccatatcca atattccaca aaatgccagt aataatgaat
tactgaaaat cagcgataaa acacgccgta tgtttg

60

95

<210> 23
<211> 27
<212> DNA
<213> unknown

<220>
<223> primer H153

<400> 23
catatgtaac agcaggtcag gccatat

27

<210> 24
<211> 27
<212> DNA
<213> unknown

<220>
<223> primer H154

<400> 24
caacatacgg cgtgttttat cgctgat

27

<210> 25
<211> 30
<212> DNA
<213> unknown

<220>
<223> primer-175-LUX

<400> 25
cacattttga aacacaagaa tggaaatgtg 30

<210> 26
<211> 22
<212> DNA
<213> unknown

<220>
<223> primer-175-Rev

<400> 26
ggccagtttg aataagacaa tg 22